

Lytool

BK71

High Efficiency Digital Display Constant Temperature Soldering Station



- Please follow the instructions to avoid accidents.
- For your own safety, please read the instruction carefully.
Fully understand how to use the product, to prevent any accidents due to improper use.
- Please keep it for your reference after reading.

Thanks for choosing Lytool. If you have any questions about our product, please feel free to contact us via support@amzlytool.com.



Attention Points

When in use, the temperature of the soldering iron tip is between 180°C and 480°C. Considering that it may cause burns or fire, please strictly observe the following:

- Do not use this machine near gas, paper or other flammable objects.
- When replacing the heating material, the model must be the same. Install the heating wire according to the reverse process when disassembling.
- When replacing parts, turn off the power and cool to normal temperature.

In order to avoid damaging the product and keep the working environment safe, the following items should be observed.

- Do not knock the host or strong impact.
- Do not disassemble the host or weld the handle.
- Do not modify this product.
- When replacing parts, please use our original parts.
- Do not wet the body or operate with wet hands.
- When working, please ventilate.

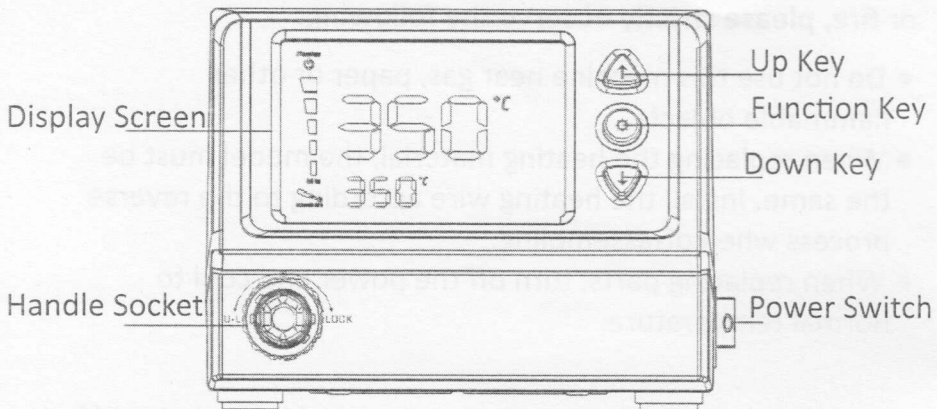
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NOTE:

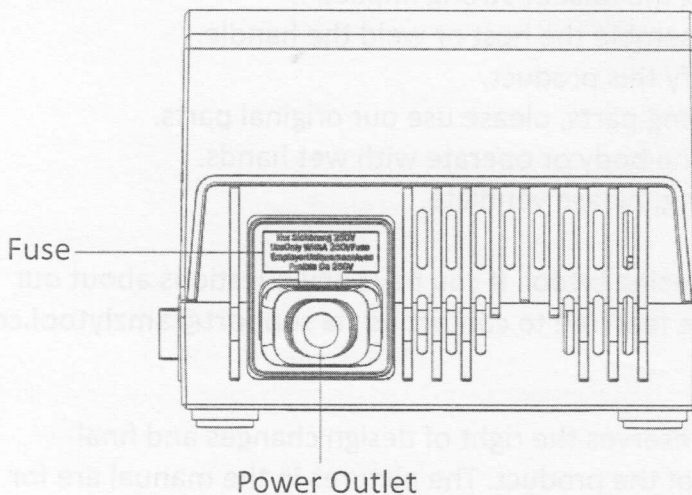
The company reserves the right of design changes and final interpretation of the product. The pictures in the manual are for reference only, and the product is subject to the actual product.

Product schematic

Front:



Back:



Package list

Host	1PCS
Soldering handle	1PCS
Soldering stand (including copper wire ball and cleaning sponge)	1PCS
Power cable	1PCS
Suction stick	1PCS
Replace the soldering iron tip	4PCS
Manual	1PCS

Product specifications

Host

Output Power	60W(Max)
Input voltage	AC 100-240V
Volume	128×104×79mm
Net/Gross weight	≈0.8Kg/≈1.0Kg

Soldering handle

Output Power	60W(Max)	Input voltage	DC 23V
Temperature range	180°C ~ 480°C	Resistance from iron tip to ground	≤2Ω
Voltage from iron tip to ground	≤2mV	Heating core model	BK1321S (Ceramic heating core)

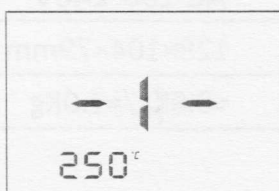
Product features

1. Wide voltage power supply 100-240V;
2. High-definition large-screen display, compact body;
3. New drive circuit design, fast heating speed;
4. Microcomputer control, high temperature stability;
5. Adopt one-piece heating core, sensor abnormal reminder;
6. The handle adopts patented ergonomic design, and feels comfortable;
7. Password protection to avoid illegal modification of settings.

Menu settings

1. Soldering iron temperature setting

Press the “*”key to enter the menu setting options, press the “↑” and “↓” keys to switch the menu, when switching to “-1-”, press the “*” key to enter the setting, press the “↑” or “↓” key to finish setting Then press the “*” key to confirm and save. (Setting range: 180°C ~ 480°C; 356°F ~ 896°F)

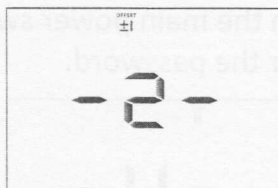


2. Soldering iron compensation temperature setting

Press the “*”key to enter the menu setting options, press the “↑” and “↓” keys to switch the menu, when switching to “-2-”, press the “*” key to enter the setting, press the “↑” or “↓” key to finish setting Then press the “*” key to confirm and save. (Setting range: -50°C ~ +70°C; -90°F ~ +126°F)

For example:

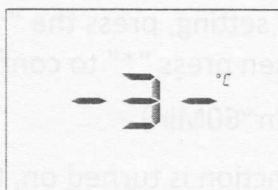
Set the temperature of 350°C and the actual temperature of 345°C , then add 5°C as in the above step; if the set temperature is 350°C and the actual temperature of 355°C , then subtract -5°C from the above step.



3.Fahrenheit /Celsius switch setting

Press the “*” key to enter the menu setting options, press the “↑” and “↓” keys to switch the menu, when switching to “-3-”, press the “*” key to enter the setting, press the “↑” or “↓” key to finish setting Then press the “*” key to confirm and save.

(Setting range: $^{\circ}\text{C}/^{\circ}\text{F}$)



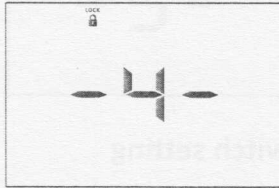
4.Password setting

Set the password for the first time: press the “*” key to enter the menu setting options, press the “↑” and “↓” keys to select the menu “-4-”, then press the “*” key to enter the setting, press the “↑” and “↓” keys to set the password, Press “*” to confirm. To enter the password for the first time, you need to enter the new password twice, confirm and save, then the password setting is complete. (Setting range: 000 ~ 999)

Change password: You need to enter the old password once and then the new password twice.

How to clear when I forgot the password?

When the host is off, press and hold the "*", "↑" and "↓" keys at the same time, then turn on the main power switch and release it after displaying "000" to clear the password.



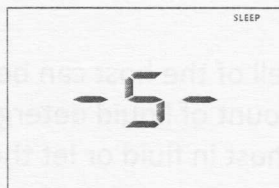
5.Soldering Iron Sleep Delay Time Settings

Press the "*" key to enter the menu setting options, press the "↑" and "↓" keys to switch to the menu, when switching to "-5-", press the "*" key to enter the setting, press the "↑" or "↓" key to complete the setting Then press "*" to confirm saving.

(Setting range: OFF, 1Min~60Min)

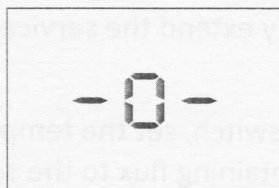
When the dormancy function is turned on, the handle is placed on the soldering iron stand without use, and the system automatically starts timing. After the set time, the host automatically enters the dormancy state, and the dormancy symbol lights up " SLEEP +) ", the screen displays "--, hibernation after the iron temperature is maintained at 180'C constant temperature.

If you want to wake up the host from the hibernation state, you can pick up the handle from the soldering iron stand and shake it slightly, and the host will immediately enter the normal working state.



6.Exit

Press the “*” key to enter the menu setting options, press the “↑” and “↓” keys to switch the menu, when switching to “-0-”, press the “*” key to exit.



Soldering iron maintenance

To ensure normal operation, please pay attention to the following suggestions. (If the soldering station or the handle is not functioning properly due to some factors, please contact the nearest service office for service support.)

1. General cleanup

- The handle or the shell of the host can be cleaned with a cloth dipped in a small amount of liquid detergent.
- Do not immerse the host in fluid or let the fluid flow into the housing.
- Do not use any solvents to clean the shell.

2. Brand-new soldering iron tips

- To replace the soldering iron tips, please use our 900 series tips.
 - When using a brand-new soldering iron tips, please follow the steps below to greatly extend the service life of the soldering iron tips.
- 1) Turn on the power switch, set the temperature to 200 °C, and add solder wire containing flux to the soldering iron tips.
 - 2) After two minutes at 200 °C, set the temperature to the appropriate operating temperature.

Note:

When using a brand-new soldering iron tips, it is best to take out the tips and clean the internal foreign objects every day!

3. Soldering iron tips maintenance

The soldering iron tips supplied are all alloy tips. If used properly, they will have a longer service life.

- Be sure to add proper tin to the sticking surface of the soldering iron tips before shutting down, and wipe it only before soldering.
- Don't let the soldering iron tip stay at too high temperature for a long time, it is easy to crack the plating layer on the surface of the soldering iron tip.

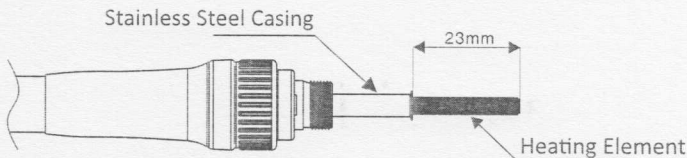
- When soldering, do not rub the solder joints with too much pressure on the soldering iron tips. This process will not change the thermal conductivity, but will damage the tips.
- Never use rough materials or a frustrated knife to clean the soldering iron tips.
- If the surface has been oxidized and does not stick to tin, if necessary, you can carefully rub it with a 600-800 mesh gold-steel emery cloth and clean it with propanol or an equivalent solution. Heat the tin to 200 °C and immediately stick the tin to prevent high temperature oxidation.
- Do not use flux containing chlorine or excessive acid, only use synthetic resin or activated resin flux.

Note:

At least once a week, take out the soldering iron tips to clean up and remove foreign objects in the sleeve.

4.Soldering iron tips replacement

The soldering iron tips can be loosened and removed for replacement. The power of the soldering station must be turned off, and the tips can be removed after it has cooled to room temperature to remove the oxide dust formed in the socket fixing place. Care must be taken to prevent this dust from entering eye. Replace the soldering iron tips and lock the sleeve with normal hand strength.The installation elements are shown in the figure:



Note:

Be careful not to lock it too tightly, otherwise the heating element will be damaged.

5.After-sales service

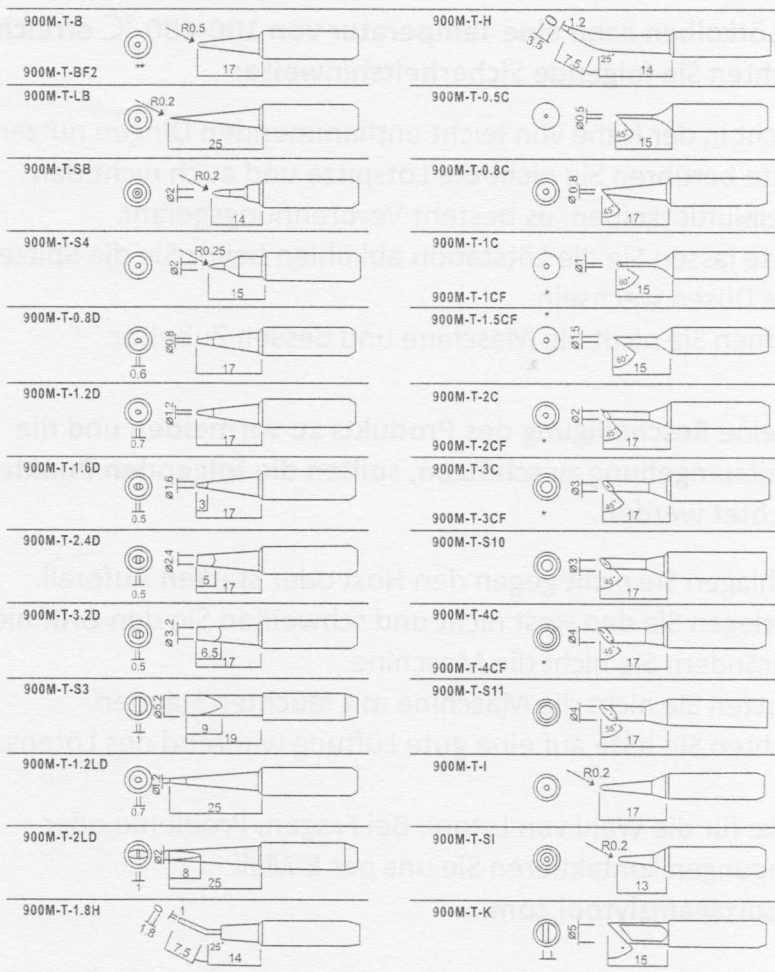
If the soldering iron or soldering station fails or is not used properly due to unknown reasons, it should be returned to the original factory or agent for professional repair.

6.Temperature adjustment

- 1) The temperature of the soldering iron needs to be calibrated regularly. In addition, due to the different types of soldering iron tips, the temperature is also different, and the temperature needs to be corrected.
- 2) In the menu item 2 soldering iron compensation temperature adjustment.



900M series soldering tips



- ★ The tips is tin-plated only on the inclined surface
- ★ 900M outer diameter $\phi 6.5\text{mm}$
- ★ Suitable for 936/937 and various resistance ceramic heating soldering stations